

<110> Rosen et al.

<120> 36 Human Secreted Proteins

<130> PZ022P1

<140> Unassigned

<141> 1999-07-07

<150> PCT/US99/00108

<151> 1999-01-06

<150> 60/070,567

<151> 1998-01-07

<150> 60/070,692

<151> 1998-01-07

<150> 60/070,704

<151> 1998-01-07

<150> 60/070,658

<151> 1998-01-07

<160> 196

<170> PatentIn Ver. 2.0

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<212> DNA

<213> Homo sapiens

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<212> PRT

<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<211> 271

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<210> 7

<211> 31

<212> DNA

<213> Homo sapiens

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31

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<213> Homo sapiens

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12

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73

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<212> DNA
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<212> DNA
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 <223> n equals a,t,g, or c

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 <213> Homo sapiens

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<210> 18

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<211> 881
 <212> DNA
 <213> Homo sapiens

<400> 18
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<210> 19
 <211> 613
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
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<210> 20
 <211> 571
 <212> DNA
 <213> Homo sapiens

<400> 20						
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gggggaaaga	ccagtgcctc	tactccgggt	gcaaggaggc	gctcatccgc	actgatggaa	240
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cctcaacaac	cagtcacaga	acagcaacca	ccaccacacg	cagaacaaca	acaacaagcc	480
ccaccaccac	ccgacaaaatg	acaacaaccc	cagctgcact	tccaacaacc	aaaaaaaaaa	540
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	a			571

<210> 21
 <211> 2024
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (540)
 <223> n equals a,t,g, or c

<400> 21						
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ttgtggctct	aattactgta	tttttaaaaa	ccctacctcc	attaacagtt	ggtaaaggcc	240
ccttttcagg	aaagtgtgtt	gctttttttt	ttttttttaa	ggaaagctgc	tctttgctca	300
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cagtcaaaata	aagtatgggt	aagttgtgtt	tgcatttttc	ttttagatac	agctgtgtgc	1980
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<210> 22

<211> 575

<212> DNA

<213> Homo sapiens

<400> 22

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gtttatctat	tcactcagca	aacacttatg	ggacatttac	tgggtgccag	gtcttgagct	180
gggcactgag	atgagaagct	gcctgaggca	tgatgggtccc	atcccactgc	cctccagggc	240
tcaaaataact	ttatagttaa	caaagtgttt	tcacatgcaa	ttctgtgagc	tgtgggtgcc	300
attattatcc	acattgctta	atacatggca	gaacctgacc	ttagggtgtc	caagtccaga	360
ttctaagtcc	aagtccagtc	cagatccctag	agcctgtcca	ctctttcctt	ccttcctctc	420
tttctttctt	gttagttctt	tcttttcttt	ttctcttttt	ttctttctct	ctctttcttt	480
ctttcttctt	ttcttctttt	tcttttcttt	ctttctctct	ctctctcttt	ctttttttca	540
agaccctgtc	caaaaaaaaa	aaaaaaaaaac	tcgag			575

<210> 23

<211> 1181

<212> DNA

<213> Homo sapiens

<400> 23

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 <211> 2290
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <222> (525)
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<210> 25

<211> 891

<212> DNA

<213> Homo sapiens

<400> 25

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<210> 26

<211> 465

<212> DNA

<213> Homo sapiens

<400> 26

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<210> 27

<211> 783

<212> DNA

<213> Homo sapiens

<400> 27

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gag						783

<210> 28

<211> 470

<212> DNA

<213> Homo sapiens

<400> 28

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tgtgtcagtg	tgcgtgtgag	cgtgtagagt	ggaggggggtc	actgacacca	gccagggcgt	180
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<210> 29

<211> 1321

<212> DNA

<213> Homo sapiens

<400> 29

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t						1321

<210> 30
 <211> 620
 <212> DNA
 <213> Homo sapiens

<400> 30							
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tcatacaacg	tcaagtctgt	ctgttccagg	gagcgaggca	gtggaatccg	gtcagtgaat		180
ttctacgagc	acatcatcac	tgtgggaaca	gggcagggct	ccctgctgtt	ctatgacatc		240
cgagctcaga	gattttctga	agagaggctc	tcagcttggt	atgggtccaa	gccagactca		300
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tcgtctggaa	cgaaactctt	tgtggcagga	ggccccctcc	cttcagggtc	ccatggaaac		480
tatgctgggc	tctggagtta	atgacaactc	cccaaattga	gagatttcac	taacttccaa		540
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aaaaaaaaaa	aaaaaaaaaa						620

<210> 31
 <211> 1222
 <212> DNA
 <213> Homo sapiens

<400> 31							
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aaaaaaaaaa	aaaaaaaaag	gc					1222

<210> 32
 <211> 829
 <212> DNA

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aacaacctta	tgccaccggg	gaaaaaatca	caataaatat	ttattcagtg	ttaaaaaaaa	1320
aaaaaaaaaa	aaaaaa					1336

<210> 34
 <211> 1635
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (85)
 <223> n equals a,t,g, or c

<400> 34						60
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gctggccttc	ccgctgctcc	tcacnggcct	catctccttc	aggagaaga	ggctgcagga	180
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gccggatgct	gagccgggag	gcaggaagaa	gacggaggag	ccgggcgaca	gctaccacgt	1560
gaatgcccgg	cacctcctct	accccaactg	ccctgtcact	cgcttccccg	tgcccaacga	1620
gaagggtgcc	tgggagacgg	agttcctgat	ctatgaccca	ccctttttaca	cggcagagag	1635
gaaggacgcg	gccgc					

<210> 35
 <211> 1264
 <212> DNA
 <213> Homo sapiens

<400> 35						60
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ggaactttct	gtcttgtgat	ccattgcctg	gtgagtcaca	gctcacacca	tggatttaac	240
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tgatgagcag	gaaggcacta	ttcagagcct	tgttttgaca	gcctcatg	cttaagggtta	780
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gatgttggtc	attgaccact	ctgtgcatat	atttctgcag	agctctgtga	aggcaatgag	1200
tgtcacttcc	ctctgctcta	ataaagcaat	aaataataaa	aaaaaaaaaa	aaaaaaaaact	1260
cgag						1264

<210> 36

<211> 688

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (507)

<223> n equals a,t,g, or c

<400> 36

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gagcggccta	accgcgcgcc	gggtagagac	ctgcggggga	tgacagctga	accgcctaaa	180
ggaggtgaag	gctttcgtca	cgcaggacat	tccattctat	cacaacctgg	tgatgaaaca	240
cctccctggg	gccgacctg	agctcgtgct	gctgggcgcg	cgctacgagg	aactagagcg	300
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<210> 37

<211> 1516

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> n equals a,t,g, or c

<400> 37

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ggtctcagcg	cagtgcgat	ggtggccg	ccttgtggtt	ctctctact	tggggaaatc	240
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<210> 38
 <211> 1267
 <212> DNA
 <213> Homo sapiens

<400> 38						
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aaaaaaa						1267

<210> 39
 <211> 2203
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE
 <222> (1246)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1846)
 <223> n equals a,t,g, or c

<400> 39

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 <211> 1726
 <212> DNA
 <213> Homo sapiens

<400> 40

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 <211> 1397
 <212> DNA
 <213> Homo sapiens

<400> 42

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<211> 1739

<212> DNA

<213> Homo sapiens

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 <223> n equals a,t,g, or c

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 a 3061

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 <211> 974
 <212> DNA
 <213> Homo sapiens

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 gccatgtacg aggggctgtg gatgtcctgc gtgtgcaga gcaccgggca gatccagtgc
 420
 aaagtcttgc actccttgc gaatctgagc agcacattgc aagcaaccgc tgccttgatg
 480
 gtggttgga tctcctggg agtgatagca atcttctgtg ccaccgttg catgaagtgt
 540
 atgaagtgc tgggaagcga tgaggtgcag aagatgagga tggctgtcat tggggcgcg
 600
 atatttcttc ttgcaggtct ggctatttta gttgccacag catggtatgg caatagaatc
 660
 gttcaagaat tctatgacc tatgaccca gtcaatgcca ggtacgaatt tggtcaggct
 720
 ctcttcactg gctgggctgc tgcttctctc tgccttctgg gaggtgcctc actttgctgt
 780
 tctgttccc gaaaaacaac ctcttaccac acaccaaggc cctatccaaa acctgcacct
 840
 tccagcggga aagactacgt gtgacacaga ggcaaaagga gaaaatcatg ttgaaacaaa
 900
 ccgaaaatgg acattgagat actatcatta acattaggac cttagaattt tgggtattgt
 960
 aatctgagta tggtafacaa acaacaaaca acaaaaaaac ccatgtgtta aaatactcag
 1020
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 1080
 ccatttgtat tactgcttcc cattgagtaa tcatactcaa atgggggaag ggggtgctct
 1140
 taaatatata tagatatgta tatatacatg tttttctatt aaaaatagac agtaaaatac
 1200
 tattctcatt atgttgatac tagcatactt aaaatatctc taaaatagtt aaatgtattt
 1260
 aattccatat tgatgaagat gttcattggg atattttctt tttcgtcctt atatacatat
 1320

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gtaacagtca aatatcattt actotttcttc attagctttg ggtgcctttg ccacaagacc
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 1440
 aaaaaaa
 1446

<210> 56
 <211> 143
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (143)
 <223> Xaa equals stop translation

<400> 56
 Met Ser Gly Ile Ser Gly Cys Pro Phe Phe Leu Trp Gly Leu Leu Ala
 1 5 10 15
 Leu Leu Gly Leu Ala Leu Val Ile Ser Leu Ile Phe Asn Ile Ser His
 20 25 30
 Tyr Val Glu Lys Gln Arg Gln Asp Lys Met Tyr Ser Tyr Ser Ser Asp
 35 40 45
 His Thr Arg Val Asp Glu Tyr Tyr Ile Glu Asp Thr Pro Ile Tyr Gly
 50 55 60
 Asn Leu Asp Asp Met Ile Ser Glu Pro Met Asp Glu Asn Cys Tyr Glu
 65 70 75 80
 Gln Met Lys Ala Arg Pro Glu Lys Ser Val Asn Lys Met Gln Glu Ala
 85 90 95
 Thr Pro Ser Ala Gln Ala Thr Asn Glu Thr Gln Met Cys Tyr Ala Ser
 100 105 110
 Leu Asp His Ser Val Lys Gly Lys Arg Arg Ser Pro Gly Asn Arg Ile
 115 120 125
 Leu Ile Ser Gln Thr Arg Met Glu Met Ser Asn Tyr Met Gln Xaa
 130 135 140

<210> 57
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals stop translation

<400> 57
 Met Ala Leu Met Trp Ser Leu Trp Tyr Phe Asn Ser Val Phe Ile Ile

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<400> 59

Met Ser Cys Ile Gly Arg Met Arg Leu Ile Cys Phe Ile Ile Leu Arg
 1 5 10 15

Ile Cys Gly Leu Glu His Leu Phe Gly Asn Met Gly Leu Gly Xaa Lys
 20 25 30

Asn Gly His Leu Pro Gly His Tyr Gly His Ser Leu Glu Phe Phe Xaa
 35 40 45

<210> 60

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals stop translation

<400> 60

Met Ile Leu Leu Leu Ser Leu Phe Gln Gly Val Arg Gly Ser Leu Gly
 1 5 10 15

Ser Pro Gly Asn Arg Glu Asn Lys Glu Lys Lys Val Phe Ile Ser Leu
 20 25 30

Val Gly Ser Arg Gly Leu Gly Cys Ser Ile Ser Ser Gly Pro Ile Gln
 35 40 45

Lys Pro Gly Ile Phe Ile Ser His Val Lys Pro Gly Ser Leu Ser Ala
 50 55 60

Glu Val Gly Leu Glu Ile Gly Asp Gln Ile Val Glu Val Asn Gly Val
 65 70 75 80

Asp Phe Ser Asn Leu Asp His Lys Glu Leu Gln Leu Ala Gly Ser Cys
 85 90 95

Ser Xaa

<210> 61

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals stop translation

<400> 61

093357.03701

[illegible]

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<220>
<221> SITE
<222> (52)
<223> Xaa equals stop translation
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```
<210> 63
<211> 71
<212> PRT
<213> Homo sapiens
```

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<400> 63
Met Leu Pro Leu Lys Ile Ala Ala Pro Tyr Leu Leu Glu Asn Cys Ser
  1                      5                      10                      15

Cys Pro Ile Tyr Ile Ser Thr Ser Pro His Leu Phe Leu Ser Thr Met
                20                      25                      30

Phe Val Phe Leu Ser Val Leu Tyr Ser Leu Ser Leu Glu Tyr Met Phe
        35                      40                      45

Leu Phe Val Phe Gly Lys Lys Ile Ser Phe Thr Ser Leu His Ser Asp
    50                      55                      60

Gln Leu Gly Lys Lys Lys Ala
    65                      70

```

<210> 64
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals stop translation

<400> 64
 Met Tyr Met Lys Gln Val Val Ala Cys Arg Asp Gln Leu Ile Leu Val
 1 5 10 15
 Leu Trp Leu Ile Glu Leu Leu Cys Ile Gln Gly Phe Cys Lys Ser Lys
 20 25 30
 Ser Asp Phe Ser Ser Arg Ile Tyr Ser Xaa
 35 40

<210> 65
 <211> 183
 <212> PRT
 <213> Homo sapiens

<400> 65
 Met Ser Lys Glu Pro Leu Ile Leu Trp Leu Met Ile Glu Phe Trp Trp
 1 5 10 15
 Leu Tyr Leu Thr Pro Val Thr Ser Glu Thr Val Val Thr Glu Val Leu
 20 25 30
 Gly His Arg Val Thr Leu Pro Cys Leu Tyr Ser Ser Trp Ser His Asn
 35 40 45
 Ser Asn Ser Met Cys Trp Gly Lys Asp Gln Cys Pro Tyr Ser Gly Cys
 50 55 60
 Lys Glu Ala Leu Ile Arg Thr Asp Gly Met Arg Val Thr Ser Arg Lys
 65 70 75 80
 Ser Ala Lys Tyr Arg Leu Gln Gly Thr Ile Pro Arg Gly Asp Val Ser
 85 90 95
 Leu Thr Ile Leu Asn Pro Ser Glu Ser Asp Ser Gly Val Tyr Cys Cys
 100 105 110
 Arg Ile Glu Val Pro Gly Trp Phe Asn Asp Val Lys Ile Asn Val Arg
 115 120 125
 Leu Asn Leu Gln Arg Ala Ser Thr Thr Thr His Arg Thr Ala Thr Thr
 130 135 140
 Thr Thr Arg Arg Thr Thr Thr Thr Ser Pro Thr Thr Thr Arg Gln Met
 145 150 155 160
 Thr Thr Thr Pro Ala Ala Leu Pro Thr Thr Lys Lys Lys Lys Lys Lys
 165 170 175

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Lys Lys Lys Lys Lys Lys Lys
180

<210> 66
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals stop translation

<400> 66
Met Leu Tyr Phe Cys Ser Ser Ile Trp Phe Gly Ile Tyr Phe Val Ala
1 5 10 15
Leu Ile Thr Val Phe Leu Lys Thr Leu Pro Pro Leu Thr Val Gly Lys
20 25 30
Gly Pro Phe Ser Gly Lys Phe Val Ala Phe Phe Phe Phe Leu Lys Glu
35 40 45
Ser Cys Ser Leu Leu Ser Ile Val Phe Xaa
50 55

<210> 67
<211> 100
<212> PRT
<213> Homo sapiens

<400> 67
Met Gln Phe Cys Glu Leu Trp Val Pro Leu Leu Ser Thr Leu Leu Asn
1 5 10 15
Thr Trp Gln Asn Leu Thr Leu Gly Cys Pro Ser Pro Asp Ser Lys Ser
20 25 30
Lys Ser Ser Pro Asp Pro Arg Ala Cys Pro Leu Phe Pro Ser Phe Leu
35 40 45
Ser Phe Phe Leu Val Ser Ser Phe Phe Phe Phe Phe Ser Phe Phe Phe
50 55 60
Leu Ser Leu Ser Phe Phe Leu Pro Phe Phe Phe Leu Phe Ser Phe Phe
65 70 75 80
Leu Ser Leu Ser Leu Ser Phe Phe Gln Asp Pro Val Gln Lys Lys Lys
85 90 95
Lys Lys Thr Arg
100

<210> 68
<211> 74

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<400> 69
Met Met Phe Ala Gly Ser Cys Gly Phe Pro Ala Gln Pro Ala Thr Thr
  1          5          10          15

Gly Pro Cys Gly Tyr Val Val Gln Pro Asn Thr Thr Gly Pro Phe Leu
          20          25          30

Tyr Val Arg Gln Phe Tyr Pro Ala Arg His Leu Trp Thr Pro Ser Pro
          35          40          45

Val-Cys Lys Pro Ser Ile Lys Pro His Val Ser Phe Ala Gly Ser Gly
  50          55          60

Ser Leu Trp Arg Leu Glu Pro Tyr Ala Phe Pro Ile Glu Val Asn Arg
  65          70          75          80

Gly Ser Ala Gln His Trp Val Pro Gly Met Gln Pro Cys Leu Phe Met
          85          90          95

Phe Val Leu Met Gly Ile Met Trp Ala Thr Gly Ile Leu Pro Lys Ile
          100          105          110

Met Pro Ser Arg Lys Arg Cys Leu Ser Ile Asp Ile Pro Ala Ala Pro
          115          120          125

Gln Ala Gly Met Cys Leu Leu Ile Leu
  130          135

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<210> 70
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals stop translation

<400> 70
 Met Arg Thr Leu Ala Leu Leu Val Leu Leu Phe Cys Ser Cys Thr His
 1 5 10 15
 Ser Ser Met Gly Trp Gly Arg Gln Ala Trp Gly Val Ala Leu Gly Glu
 20 25 30
 Val Arg Ser Pro Pro Ala Gln Asp Thr Val Ala Lys Thr Xaa . .
 35 40 45

<210> 71
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals stop translation

<400> 71
 Met Cys Ala Trp His Cys Val His Leu Ala Leu Cys Val Val Gly Met
 1 5 10 15
 Leu Phe Leu Leu Ser Val Thr Ser Ser Gln Phe Cys Lys Gln Arg Gln
 20 25 30
 Asn His Ala Leu Pro Leu Lys Pro Ile Gly Phe Lys Cys His Leu Phe
 35 40 45
 Asp Asp Ala Phe Pro Ile Thr Pro Phe Asp Thr Ser His Gly Thr Xaa
 50 55 60

<210> 72
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals stop translation

<400> 72

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Met Phe Met Tyr Val Trp Cys Pro Leu Val Leu Phe Phe Phe Leu Leu
 1 5 10 15

Val Phe Glu Leu Val Leu Asn Arg Ile Leu Ser Gly Phe Leu Lys Tyr
 20 25 30

Phe His Phe His His Gly Tyr Asn Lys Phe Ala Ala Cys Pro Asn Xaa
 35 40 45

<210> 73
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals stop translation

<400> 73
 Met Val Ser Pro Trp Leu Pro Leu Leu Val Ser Leu Phe His Leu Leu
 1 5 10 15

Asn Cys Leu Arg Gly Val Gly Thr Ser Gly Gln Ser Leu Gly Leu Pro
 20 25 30

Ser Ser Ser Phe Pro Pro Thr Pro Glu His Lys Ala Thr Ala Arg Asp
 35 40 45

Xaa

<210> 74
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals stop translation

<400> 74
 Gly Lys Thr Leu Tyr Leu Pro Val Cys Leu Ser Phe Leu His Ser Pro
 1 5 10 15

Ala Ser Thr Phe Leu Pro Trp Asn Gln Gly Phe Leu Ser Pro Phe Ala
 20 25 30

Phe Ser Thr Leu Gly Thr Pro Gly Ala Lys Gln Phe Ser Ile Xaa
 35 40 45

<210> 75

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<211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (59)
 <223> Xaa equals stop translation

<400> 75
 Met Val Ser Leu Cys Ser Gly Leu Pro Ser Ser Cys Leu Leu Leu Gly
 1 5 10 15
 Ser Thr Ala Ala Ile Ile Gln Arg Gln Val Cys Leu Phe Gln Gly Ala
 20 25 30
 Arg Gln Trp Asn Pro Val Ser Glu Phe Leu Arg Ala His His Cys
 35 40 45
 Gly Asn Arg Ala Gly Leu Pro Ala Val Leu Xaa
 50 55

<210> 76
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 76
 Met Ala Lys Arg Thr Phe Ser Asn Leu Glu Thr Phe Leu Ile Phe Leu
 1 5 10 15
 Leu Val Met Met Ser Ala Ile Thr Val Ala Leu Leu Ser Leu Leu Phe
 20 25 30
 Ile Thr Ser Gly Thr Ile Glu Asn His Lys Asp Leu Gly Gly His Phe
 35 40 45
 Phe Ser Thr Thr Gln Ser Pro Pro Ala Thr Gln Gly Ser Thr Ala Ala
 50 55 60
 Gln Arg Ser Thr Ala Thr Gln His Ser Thr Ala Thr Gln Ser Ser Thr
 65 70 75 80
 Ala Thr Gln Thr Ser Pro Val Pro Leu Thr Pro Glu Ser Pro Leu Phe
 85 90 95
 Gln Asn Phe Ser Gly Tyr His Ile Gly Val Gly Arg Ala Asp Cys Thr
 100 105 110
 Gly Gln Val Ala Asp Ile Asn Leu Met Gly Tyr Gly Lys Ser Gly Gln
 115 120 125
 Asn Ala Gln Gly Ile Leu Thr Arg Leu Tyr Ser Arg Ala Phe Ile Met
 130 135 140
 Ala Glu Pro Asp Gly Ser Asn Arg Thr Val Phe Val Ser Ile Asp Ile
 145 150 155 160

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44
Gly Met Val Ser Gln Arg Leu Arg Leu Glu Val Leu Asn Arg Leu Gln
165 170 175
Ser Lys Tyr Gly Ser Leu Tyr Arg Arg Asp Asn Val Ile Leu Ser Gly
180 185 190
Thr His Thr His Ser Gly Pro Ala Gly Tyr Phe Gln Tyr Thr Val Phe
195 200 205
Val Ile Ala Ser Glu Gly Phe Ser Asn Gln Thr Phe Gln His Met Val
210 215 220
Thr Gly Ile Leu Lys Ser Ile Asp Ile Pro His Thr Asn Met Lys Pro
225 230 235 240
Gly Lys Ile Phe Ile Asn Lys Gly Asn Val Asp Gly Val Gln Ile Asn
245 250 255
Arg Ser Pro Tyr Ser Tyr Leu Gln Asn Pro Gln Ser Glu Arg Ala Arg
260 265 270
Tyr Ser Ser Asn Thr Asp Lys Glu Met Ile Val Leu Lys Met Val Asp
275 280 285
Leu Asn Gly Asp Asp Leu Gly Leu Ile Ser Phe Ser Phe Ser Lys Ser
290 295 300
Ala Leu Gly Thr Tyr Tyr Glu Pro Arg Asn Thr Ser Leu Glu
305 310 315

<210> 77
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals stop translation

<400> 77
Met Ser Ser Trp Phe Thr Leu Leu Ala Ser Cys Phe His Leu Leu Trp
1 5 10 15

Pro Leu Ser Arg Ser Ser His Val Pro Ser Ser Phe Gln Pro Pro Asp
20 25 30

Leu Ser Ala Thr Phe Leu Leu Gln Ile Leu Gly Xaa
35 40

<210> 78
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (48)

<223> Xaa equals stop translation

<400> 78

Met Leu Ile Ser Val Asp Ser Asn Val Pro Val Val Phe Leu Leu Leu
 1 5 10 15

Phe Ile Leu Val Ile Leu Cys His Met Glu Cys Lys Gly His Ile Tyr
 20 25 30

Ile Cys Val Cys Val Cys Val Tyr Met Tyr Ile Phe Lys Asn Ile Xaa
 35 40 45

<210> 79

<211> 525

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (210)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 79

Met Leu Ala Phe Pro Leu Leu Leu Thr Gly Leu Ile Ser Phe Arg Glu
 1 5 10 15

Lys Arg Leu Gln Asp Val Gly Thr Pro Ala Ala Arg Ala Arg Ala Phe
 20 25 30

Phe Thr Ala Pro Val Val Val Phe His Leu Asn Ile Leu Ser Tyr Phe
 35 40 45

Ala Phe Leu Cys Leu Phe Ala Tyr Val Leu Met Val Asp Phe Gln Pro
 50 55 60

Val Pro Ser Trp Cys Glu Cys Ala Ile Tyr Leu Trp Leu Phe Ser Leu
 65 70 75 80

Val Cys Glu Glu Met Arg Gln Leu Phe Tyr Asp Pro Asp Glu Cys Gly
 85 90 95

Leu Met Lys Lys Ala Ala Leu Tyr Phe Ser Asp Phe Trp Asn Lys Leu
 100 105 110

Asp Val Gly Ala Ile Leu Leu Phe Val Ala Gly Leu Thr Cys Arg Leu
 115 120 125

Ile Pro Ala Thr Leu Tyr Pro Gly Arg Val Ile Leu Ser Leu Asp Phe
 130 135 140

Ile Leu Phe Cys Leu Arg Leu Met His Ile Phe Thr Ile Ser Lys Thr
 145 150 155 160

Leu Gly Pro Lys Ile Ile Ile Val Lys Arg Met Met Lys Asp Val Phe

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175

Glu Pro Gly Gly Arg Lys Lys Thr Glu Glu Pro Gly Asp Ser Tyr His
465 470 475 480

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	Male	10.5	0	1
Marital status	Married	15.2	0	1
Education	High school	12.8	0	1
Occupation	Unemployed	18.5	0	1
Income	Low	15.1	0	1
Health status	Good	12.3	0	1
Smoking status	Smoker	10.7	0	1
Alcohol consumption	Drinker	11.4	0	1
Exercise frequency	Regular	13.6	0	1
Stress level	High	14.9	0	1
Sleep quality	Good	11.8	0	1
Family size	Small	10.1	0	1
Neighborhood safety	Safe	12.5	0	1
Access to services	Good	13.2	0	1
Community involvement	Active	11.6	0	1
Health insurance	Insured	14.3	0	1
Healthcare access	Easy	12.9	0	1
Healthcare cost	Low	11.5	0	1
Healthcare quality	Good	13.7	0	1
Healthcare satisfaction	High	14.1	0	1
Healthcare utilization	High	13.9	0	1
Healthcare accessibility	Good	12.7	0	1
Healthcare affordability	High	14.4	0	1
Healthcare availability	Good	13.1	0	1
Healthcare effectiveness	High	14.2	0	1
Healthcare efficiency	High	14.0	0	1
Healthcare equity	High	14.3	0	1
Healthcare quality of care	High	14.5	0	1
Healthcare patient satisfaction	High	14.6	0	1
Healthcare provider satisfaction	High	14.7	0	1
Healthcare system performance	High	14.8	0	1
Healthcare system efficiency	High	14.9	0	1
Healthcare system effectiveness	High	15.0	0	1
Healthcare system equity	High	15.1	0	1
Healthcare system quality of care	High	15.2	0	1
Healthcare system patient satisfaction	High	15.3	0	1
Healthcare system provider satisfaction	High	15.4	0	1
Healthcare system performance	High	15.5	0	1
Healthcare system efficiency	High	15.6	0	1
Healthcare system effectiveness	High	15.7	0	1
Healthcare system equity	High	15.8	0	1
Healthcare system quality of care	High	15.9	0	1
Healthcare system patient satisfaction	High	16.0	0	1
Healthcare system provider satisfaction	High	16.1	0	1
Healthcare system performance	High	16.2	0	1
Healthcare system efficiency	High	16.3	0	1
Healthcare system effectiveness	High	16.4	0	1
Healthcare system equity	High	16.5	0	1
Healthcare system quality of care	High	16.6	0	1
Healthcare system patient satisfaction	High	16.7	0	1
Healthcare system provider satisfaction	High	16.8	0	1
Healthcare system performance	High	16.9	0	1
Healthcare system efficiency	High	17.0	0	1
Healthcare system effectiveness	High	17.1	0	1
Healthcare system equity	High	17.2	0	1
Healthcare system quality of care	High	17.3	0	1
Healthcare system patient satisfaction	High	17.4	0	1
Healthcare system provider satisfaction	High	17.5	0	1
Healthcare system performance	High	17.6	0	1
Healthcare system efficiency	High	17.7	0	1
Healthcare system effectiveness	High	17.8	0	1
Healthcare system equity	High	17.9	0	1
Healthcare system quality of care	High	18.0	0	1
Healthcare system patient satisfaction	High	18.1	0	1
Healthcare system provider satisfaction	High	18.2	0	1
Healthcare system performance	High	18.3	0	1
Healthcare system efficiency	High	18.4	0	1
Healthcare system effectiveness	High	18.5	0	1
Healthcare system equity	High	18.6	0	1
Healthcare system quality of care	High	18.7	0	1
Healthcare system patient satisfaction	High	18.8	0	1
Healthcare system provider satisfaction	High	18.9	0	1
Healthcare system performance	High	19.0	0	1
Healthcare system efficiency	High	19.1	0	1
Healthcare system effectiveness	High	19.2	0	1
Healthcare system equity	High	19.3	0	1
Healthcare system quality of care	High	19.4	0	1
Healthcare system patient satisfaction	High	19.5	0	1
Healthcare system provider satisfaction	High	19.6	0	1
Healthcare system performance	High	19.7	0	1
Healthcare system efficiency	High	19.8	0	1
Healthcare system effectiveness	High	19.9	0	1
Healthcare system equity	High	20.0	0	1

47

Val Asn Ala Arg His Leu Leu Tyr Pro Asn Cys Pro Val Thr Arg Phe
485 490 495

Pro Val Pro Asn Glu Lys Val Pro Trp Glu Thr Glu Phe Leu Ile Tyr
500 505 510

Asp Pro Pro Phe Tyr Thr Ala Glu Arg Lys Asp Ala Ala
515 520 525

<210> 80

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals stop translation

<400> 80

Met Ala Gly Thr Val Leu Gly Val Gly Ala Gly Val Phe Ile Leu Ala
1 5 10 15

Leu Leu Trp Val Ala Val Leu Leu Leu Cys Val Leu Leu Ser Arg Ala
20 25 30

Ser Gly Ala Ala Arg Phe Ser Val Ile Phe Tyr Ser Ser Val Leu Xaa
35 40 45

<210> 81

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals stop translation

<400> 81

Met Ser Leu Leu Leu Pro Pro Leu Ala Leu Leu Leu Leu Ala Ala
1 5 10 15

Leu Val Ala Pro Ala Thr Ala Ala Thr Ala Tyr Arg Pro Asp Trp Asn
20 25 30

Arg Leu Ser Gly Leu Thr Arg Ala Arg Val Glu Thr Cys Gly Gly Xaa
35 40 45

<210> 82

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<211> 293
 <212> PRT
 <213> Homo sapiens

<400> 82

Met Ala Thr Ala Arg Pro Pro Trp Met Trp Val Leu Cys Ala Leu Ile
 1 5 10 15

Thr Ala Leu Leu Leu Gly Val Thr Glu His Val Leu Ala Asn Asn Asp
 20 25 30

Val Ser Cys Asp His Pro Ser Asn Thr Val Pro Ser Gly Ser Asn Gln
 35 40 45

Asp Leu Gly Ala Gly Ala Gly Glu Asp Ala Arg Ser Asp Asp Ser Ser
 50 55 60

Ser Arg Ile Ile Asn Gly Ser Asp Cys Asp Met His Thr Gln Pro Trp
 65 70 75 80

Gln Ala Ala Leu Leu Leu Arg Pro Asn Gln Leu Tyr Cys Gly Ala Val
 85 90 95

Leu Val His Pro Gln Trp Leu Leu Thr Ala Ala His Cys Arg Lys Lys
 100 105 110

Val Phe Arg Val Arg Leu Gly His Tyr Ser Leu Ser Pro Val Tyr Glu
 115 120 125

Ser Gly Gln Gln Met Phe Gln Gly Val Lys Ser Ile Pro His Pro Gly
 130 135 140

Tyr Ser His Pro Gly His Ser Asn Asp Leu Met Leu Ile Lys Leu Asn
 145 150 155 160

Arg Arg Ile Arg Pro Thr Lys Asp Val Arg Pro Ile Asn Val Ser Ser
 165 170 175

His Cys Pro Ser Ala Gly Thr Lys Cys Leu Val Ser Gly Trp Gly Thr
 180 185 190

Thr Lys Ser Pro Gln Val His Phe Pro Lys Val Leu Gln Cys Leu Asn
 195 200 205

Ile Ser Val Leu Ser Gln Lys Arg Cys Glu Asp Ala Tyr Pro Arg Gln
 210 215 220

Ile Asp Asp Thr Met Phe Cys Ala Gly Asp Lys Ala Gly Arg Asp Ser
 225 230 235 240

Cys Gln Gly Asp Ser Gly Gly Pro Val Val Cys Asn Gly Ser Leu Gln
 245 250 255

Gly Leu Val Ser Trp Gly Asp Tyr Pro Cys Ala Arg Pro Asn Arg Pro
 260 265 270

Gly Val Tyr Thr Asn Leu Cys Lys Phe Thr Lys Trp Ile Gln Glu Thr
 275 280 285

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<210> 83
<211> 89
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (89)
<223> Xaa equals stop translation
```

```
<400> 83
Met Val Ala Gly Phe Val Phe Tyr Leu Gly Val Phe Val Val Cys His
  1             5             10             15
```

Gln Leu Ser Ser Ser Leu Asn Ala Thr Tyr Arg Ser Leu Val Ala Arg
20 25 30

Glu Lys Val Phe Trp Asp Leu Ala Ala Thr Arg Ala Val Phe Gly Val
35 40 45

Gln Ser Thr Ala Ala Ala Val Gly Ser Ala Gly Gly Pro Cys Ala Ala
50 55 60

Cys Arg Gln Gly Ala Trp Pro Ala Glu Leu Val Leu Val Ser His His
65 70 75 80

Asp Ser Asn Gly Ile Leu Leu Leu Xaa
85

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<210> 84
<211> 250
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (161)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (212)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (213)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (215)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
 <221> SITE
 <222> (216)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (218)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (221)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (250)
 <223> Xaa equals stop translation

<400> 84
 Met Trp Arg Cys Pro Leu Gly Leu Leu Leu Leu Leu Pro Leu Ala Gly
 1 5 10 15
 His Leu Ala Leu Gly Ala Gln Gln Gly Arg Gly Arg Arg Glu Leu Ala
 20 25 30
 Pro Gly Leu His Leu Arg Gly Ile Arg Asp Ala Gly Gly Arg Tyr Cys
 35 40 45
 Gln Glu Gln Asp Leu Cys Cys Arg Gly Arg Ala Asp Asp Cys Ala Leu
 50 55 60
 Pro Tyr Leu Gly Ala Ile Cys Tyr Cys Asp Leu Phe Cys Asn Arg Thr
 65 70 75 80
 Val Ser Asp Cys Cys Pro Asp Phe Trp Asp Phe Cys Leu Gly Val Pro
 85 90 95
 Pro Pro Phe Pro Pro Ile Gln Gly Cys Met His Gly Gly Arg Ile Tyr
 100 105 110
 Pro Val Leu Gly Thr Tyr Trp Asp Asn Cys Asn Arg Cys Thr Cys Gln
 115 120 125
 Glu Asn Arg Gln Trp Gln Cys Asp Gln Glu Pro Cys Leu Val Asp Pro
 130 135 140
 Asp Met Ile Lys Ala Ile Asn Gln Gly Asn Tyr Gly Trp Gln Ala Gly
 145 150 155 160
 Xaa His Ser Ala Phe Trp Gly Met Thr Leu Asp Glu Gly Ile Arg Tyr
 165 170 175
 Arg Leu Gly Thr Ile Arg Pro Ser Ser Ser Val Met Asn Met His Glu
 180 185 190
 Ile Tyr Thr Val Leu Asn Pro Gly Glu Val Leu Pro Thr Ala Phe Glu
 195 200 205

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Ala Ser Glu Xaa Xaa Pro Xaa Xaa Phe Xaa Ser Leu Xaa Thr Lys Ala
 210 215 220

Thr Val Gln Ala Pro Gly Pro Ser Pro Gln Gln Leu Trp His Pro Ile
 225 230 235 240

Val Ser Gln Ser Ile Leu Trp Asp Thr Xaa
 245 250

<210> 85

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals stop translation

<400> 85

Met Tyr Thr Lys Leu Met Leu Asn Lys Val Leu Leu Phe Trp Gln Ile
 1 5 10 15

Val Lys Cys Lys Val Leu Val Asp Gln Tyr Cys Tyr Asn Phe Gly Ala
 20 25 30

Lys Leu Leu His Ala Asp Trp Leu Trp Asp Leu Val His Phe Leu Arg
 35 40 45

Thr Asn Val Glu Phe Glu Lys Thr Pro Xaa
 50 55

<210> 86

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (49)

<223> Xaa equals stop translation

<400> 86

Met Phe Leu Gly Ser Leu Cys Phe Ser Leu Leu Cys His Ala Gly Cys
 1 5 10 15

Gln Gly Ser Gly Gly Lys Pro Ala Val Thr Gly Leu Thr Gln Leu Pro
 20 25 30

His Asn Pro Lys Gly Trp Phe His Ser His His Ala Pro Arg Pro Gln
 35 40 45

Xaa

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<210> 87
 <211> 172
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (170)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 87
 Met Arg Gly Ser Val Glu Cys Thr Trp Gly Trp Gly His Cys Ala Pro
 1 5 10 15
 Ser Pro Leu Leu Leu Trp Thr Leu Leu Leu Phe Ala Ala Pro Phe Gly
 20 25 30
 Leu Leu Gly Glu Lys Thr Arg Gln Leu Leu Glu Phe Asp Ser Thr Asn
 35 40 45
 Val Ser Asp Thr Ala Ala Lys Pro Leu Gly Arg Pro Tyr Pro Pro Tyr
 50 55 60
 Ser Leu Ala Asp Phe Ser Trp Asn Asn Ile Thr Asp Ser Leu Asp Pro
 65 70 75 80
 Ala Thr Leu Ser Ala Thr Phe Gln Gly His Pro Met Asn Asp Pro Thr
 85 90 95
 Arg Thr Phe Ala Asn Gly Ser Leu Ala Phe Arg Val Gln Ala Phe Ser
 100 105 110
 Arg Ser Ser Arg Pro Ala Gln Pro Pro Arg Leu Leu His Thr Ala Asp
 115 120 125
 Thr Cys Gln Leu Glu Val Ala Leu Ile Gly Ala Ser Pro Arg Gly Asn
 130 135 140
 Arg Ser Leu Phe Gly Leu Glu Val Ala Thr Leu Gly Gln Gly Pro Asp
 145 150 155 160
 Cys Pro Ser Met Gln Glu Gln His Ser Xaa Glu Arg
 165 170

<210> 88
 <211> 174
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (174)
 <223> Xaa equals stop translation

<400> 88
 Met Val Phe Leu Lys Phe Phe Cys Met Ser Phe Phe Cys His Leu Cys
 1 5 10 15

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53

Gln Gly Tyr Phe Asp Gly Pro Leu Tyr Pro Glu Met Ser Asn Gly Thr
20 25 30

Leu His His Tyr Phe Val Pro Asp Gly Asp Tyr Glu Glu Asn Asp Asp
35 40 45

Pro Glu Lys Cys Gln Leu Leu Phe Arg Val Ser Asp His Arg Arg Cys
50 55 60

Ser Gln Gly Glu Gly Ser Gln Val Gly Ser Leu Leu Ser Leu Thr Leu
65 70 75 80

Arg Glu Glu Phe Thr Val Leu Gly His Gln Val Glu Gly Cys Trp Ala
85 90 95

Arg Ala Gly Gly His Gln Gln Lys His Leu Leu Arg Pro Arg Arg Gly
100 105 110

Arg Glu Leu Trp Gln Val Pro Ala Ala Gly Val Pro Pro Asp Arg Gly
115 120 125

Met Pro Thr Pro Thr Arg Thr Asn Pro Ser Leu Ser Trp Arg Ala Ser
130 135 140

Ser Ser Arg Ala Arg Asn Arg Thr Ala Gly Arg Arg Ala Gly Ser Thr
145 150 155 160

Arg Thr Phe Trp Glu Cys Trp Ser Thr Pro Gly Pro Cys Xaa
165 170

<210> 89

<211> 275

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (275)

<223> Xaa equals stop translation

<400> 89

Met Phe Tyr Ile Ile Gly Gly Val Ala Thr Leu Leu Leu Ile Leu Val
1 5 10 15

Ile Ile Val Phe Lys Glu Lys Pro Lys Tyr Pro Pro Ser Arg Ala Gln
20 25 30

Ser Leu Ser Tyr Ala Leu Thr Ser Pro Asp Ala Ser Tyr Leu Gly Ser
35 40 45

Ile Ala Arg Leu Phe Lys Asn Leu Asn Phe Val Leu Leu Val Ile Thr
50 55 60

Tyr Gly Leu Asn Ala Gly Ala Phe Tyr Ala Leu Ser Thr Leu Leu Asn
65 70 75 80

Arg Met Val Ile Trp His Tyr Pro Gly Glu Glu Val Asn Ala Gly Arg
85 90 95

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Ile Gly Leu Thr Ile Val Ile Ala Gly Met Leu Gly Ala Val Ile Ser
 100 105 110
 Gly Ile Trp Leu Asp Arg Ser Lys Thr Tyr Lys Glu Thr Thr Leu Val
 115 120 125
 Val Tyr Ile Met Thr Leu Val Gly Met Val Val Tyr Thr Phe Thr Leu
 130 135 140
 Asn Leu Gly His Leu Trp Val Val Phe Ile Thr Ala Gly Thr Met Gly
 145 150 155 160
 Phe Phe Met Thr Gly Tyr Leu Pro Leu Gly Phe Glu Phe Ala Val Glu
 165 170 175
 Leu Thr Tyr Pro Glu Ser Glu Gly Ile Ser Ser Gly Leu Leu Asn Ile
 180 185 190
 Ser Ala Gln Val Phe Gly Ile Ile Phe Thr Ile Ser Gln Gly Gln Ile
 195 200 205
 Ile Asp Asn Tyr Gly Thr Lys Pro Gly Asn Ile Phe Leu Cys Val Phe
 210 215 220
 Leu Thr Leu Gly Ala Ala Leu Thr Ala Phe Ile Lys Ala Asp Leu Arg
 225 230 235 240
 Arg Gln Lys Ala Asn Lys Glu Thr Leu Glu Asn Lys Leu Gln Glu Glu
 245 250 255
 Glu Glu Glu Ser Asn Thr Ser Lys Val Pro Thr Ala Val Ser Glu Asp
 260 265 270
 His Leu Xaa
 275

<210> 90
 <211> 83
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals stop translation

<400> 90
 Met Lys Lys Val Ala Arg Leu Ser Ser Leu Gly His Val Val Trp Arg
 1 5 10 15
 Leu Tyr Ala Arg Val Leu Ala Leu Ile Thr Cys Ile Phe Trp Val Leu
 20 25 30
 Ala Leu Ile Ile Cys Ile Phe Thr Pro Gln Ile Phe Phe Lys His Leu
 35 40 45
 Leu His Ala Arg Pro Cys Ser Arg Tyr Arg Arg Tyr Asn Ser Lys Asn

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50

55

55

60

Thr Asp Leu Ala Leu Met Lys Leu Lys Leu Leu Arg Gln Ala Asp Ser
 65 70 75 80

Asp Lys Xaa

<210> 91
 <211> 212
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (212)
 <223> Xaa equals stop translation

<400> 91
 Met Ala Asn Ala Gly Leu Gln Leu Leu Gly Phe Ile Leu Ala Phe Leu
 1 5 10 15

Gly Trp Ile Gly Ala Ile Val Ser Thr Ala Leu Pro Gln Trp Arg Ile
 20 25 30

Tyr Ser Tyr Ala Gly Asp Asn Ile Val Thr Ala Gln Ala Met Tyr Glu
 35 40 45

Gly Leu Trp Met Ser Cys Val Ser Gln Ser Thr Gly Gln Ile Gln Cys
 50 55 60

Lys Val Phe Asp Ser Leu Leu Asn Leu Ser Ser Thr Leu Gln Ala Thr
 65 70 75 80

Arg Ala Leu Met Val Val Gly Ile Leu Leu Gly Val Ile Ala Ile Phe
 85 90 95

Val Ala Xaa Val Gly Met Lys Cys Met Lys Cys Leu Glu Asp Asp Glu
 100 105 110

Val Gln Lys Met Arg Met Ala Val Ile Gly Gly Ala Ile Phe Leu Leu
 115 120 125

Ala Gly Leu Ala Ile Leu Val Ala Thr Ala Trp Tyr Gly Asn Arg Ile
 130 135 140

Val Gln Glu Phe Tyr Asp Pro Met Thr Pro Val Asn Ala Arg Tyr Glu
 145 150 155 160

Phe Gly Gln Ala Leu Phe Thr Gly Trp Ala Ala Ala Ser Leu Cys Leu
 165 170 175

Leu Gly Gly Ala Leu Leu Cys Cys Ser Cys Pro Arg Lys Thr Thr Ser

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180

185

190

Tyr Pro Thr Pro Arg Pro Tyr Pro Lys Pro Ala Pro Ser Ser Gly Lys
 195 200 205

Asp Tyr Val Xaa
 210

<210> 92
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals stop translation

<400> 92
 Met Phe Val Phe Leu Ser Val Leu Tyr Ser Leu Ser Leu Glu Tyr Met
 1 5 10 15

Phe Leu Phe Val Phe Gly Lys Lys Ile Ser Phe Thr Ser Leu His Ser
 20 25 30

Asp Gln Leu Gly Lys Lys Lys Ala Xaa
 35 40

<210> 93
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals stop translation

<400> 93
 Met Gln Pro Cys Leu Phe Met Phe Val Leu Met Gly Ile Met Trp Ala
 1 5 10 15

Thr Gly Ile Leu Pro Lys Ile Met Pro Ser Arg Lys Arg Cys Leu Ser
 20 25 30

Ile Asp Ile Pro Ala Ala Pro Gln Ala Gly Met Cys Leu Leu Ile Leu
 35 40 45

Xaa

<210> 94
 <211> 90
 <212> PRT
 <213> Homo sapiens

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<220>

<221> SITE

<222> (90)

<223> Xaa equals stop translation

<400> 94

Met Ala Lys Arg Thr Phe Ser Asn Leu Glu Thr Phe Leu Ile Phe Leu
 1 5 10 15

Leu Val Met Met Ser Ala Ile Thr Val Ala Leu Leu Ser Leu Leu Phe
 20 25 30

Ile Thr Ser Gly Thr Ile Glu Asn His Lys Asp Leu Gly Gly His Phe
 35 40 45

Phe Ser Thr Thr Gln Ser Pro Pro Ala Thr Gln Gly Ser Thr Ala Ala
 50 55 60

Gln Arg Ser Thr Ala Thr Gln His Ser Thr Ala Thr Gln Ser Ser Asn
 65 70 75 80

Ser Gln Leu Lys Leu Leu Gln Cys Leu Xaa
 85 90

<210> 95

<211> 486

<212> PRT

<213> Homo sapiens

<400> 95

Met Gln Pro Ser Gly Leu Glu Gly Pro Gly Thr Phe Gly Arg Trp Pro
 1 5 10 15

Leu Leu Ser Leu Leu Leu Leu Leu Leu Leu Gln Pro Val Thr Cys
 20 25 30

Ala Tyr Thr Thr Pro Gly Pro Pro Arg Ala Leu Thr Thr Leu Gly Ala
 35 40 45

Pro Arg Ala His Thr Met Pro Gly Thr Tyr Ala Pro Ser Thr Thr Leu
 50 55 60

Ser Ser Pro Ser Thr Gln Gly Leu Gln Glu Gln Ala Arg Ala Leu Met
 65 70 75 80

Arg Asp Phe Pro Leu Val Asp Gly His Asn Asp Leu Pro Leu Val Leu
 85 90 95

Arg Gln Val Tyr Gln Lys Gly Leu Gln Asp Val Asn Leu Arg Asn Phe
 100 105 110

Ser Tyr Gly Gln Thr Ser Leu Asp Arg Leu Arg Asp Gly Leu Val Gly
 115 120 125

Ala Gln Phe Trp Ser Ala Tyr Val Pro Cys Gln Thr Gln Asp Arg Asp
 130 135 140

Ala Leu Arg Leu Thr Leu Glu Gln Ile Asp Leu Ile Arg Arg Met Cys

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145		150		155		160
Ala Ser Tyr Ser Glu Leu Glu Leu Val Thr Ser Ala Lys Ala Leu Asn						
	165			170		175
Asp Thr Gln Lys Leu Ala Cys Leu Ile Gly Val Glu Gly Gly His Ser						
	180			185		190
Leu Asp Asn Ser Leu Ser Ile Leu Arg Thr Phe Tyr Met Leu Gly Val						
	195			200		205
Arg Tyr Leu Thr Leu Thr His Thr Cys Asn Thr Pro Trp Ala Glu Ser						
	210			215		220
Ser Ala Lys Gly Val His Ser Phe Tyr Asn Asn Ile Ser Gly Leu Thr						
	225			230		235
Asp Phe Gly Glu Lys Val Val Ala Glu Met Asn Arg Leu Gly Met Met						
	245			250		255
Val Asp Leu Ser His Val Ser Asp Ala Val Ala Arg Arg Ala Leu Glu						
	260			265		270
Val Ser Gln Ala Pro Val Ile Phe Ser His Ser Ala Ala Arg Gly Val						
	275			280		285
Cys Asn Ser Ala Arg Asn Val Pro Asp Asp Ile Leu Gln Leu Leu Lys						
	290			295		300
Lys Asn Gly Gly Val Val Met Val Ser Leu Ser Met Gly Val Ile Gln						
	305			310		315
Cys Asn Pro Ser Ala Asn Val Ser Thr Val Ala Asp His Phe Asp His						
	325			330		335
Ile Lys Ala Val Ile Gly Ser Lys Phe Ile Gly Ile Gly Gly Asp Tyr						
	340			345		350
Asp Gly Ala Gly Lys Phe Pro Gln Gly Leu Glu Asp Val Ser Thr Tyr						
	355			360		365
Pro Val Leu Ile Glu Glu Leu Leu Ser Arg Gly Trp Ser Glu Glu Glu						
	370			375		380
Leu Gln Gly Val Leu Arg Gly Asn Leu Leu Arg Val Phe Arg Gln Val						
	385			390		395
Glu Lys Val Gln Glu Glu Asn Lys Trp Gln Ser Pro Leu Glu Asp Lys						
	405			410		415
Phe Pro Asp Glu Gln Leu Ser Ser Ser Cys His Ser Asp Leu Ser Arg						
	420			425		430
Leu Arg Gln Arg Gln Ser Leu Thr Ser Gly Gln Glu Leu Thr Glu Ile						
	435			440		445
Pro Ile His Trp Thr Ala Lys Leu Pro Ala Lys Trp Ser Val Ser Glu						
	450			455		460

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[illegible]

Val Phe Arg Val Arg Leu Gly His Tyr Ser Leu Ser Pro Val Tyr Glu

115 120 125
 Ser Gly Gln Gln Met Phe Gln Gly Val Lys Ser Ile Pro His Pro Gly
 130 135 140
 Tyr Ser His Pro Gly His Ser Asn Asp Leu Met Leu Ile Lys Leu Asn
 145 150 155 160
 Arg Arg Ile Arg Pro Thr Lys Asp Val Arg Pro Ile Asn Val Ser Ser
 165 170 175
 His Cys Pro Ser Ala Gly Thr Lys Cys Leu Val Ser Gly Trp Gly Thr
 180 185 190
 Thr Lys Ser Pro Gln Val His Phe Pro Lys Val Leu Gln Cys Leu Asn
 195 200 205
 Ile Ser Val Leu Ser Gln Lys Arg Cys Glu Asp Ala Tyr Pro Arg Gln
 210 215 220
 Ile Asp Asp Thr Met Phe Cys Ala Gly Asp Lys Ala Gly Arg Asp Ser
 225 230 235 240
 Cys Gln Gly Asp Ser Gly Gly Pro Val Val Cys Asn Gly Ser Leu Gln
 245 250 255
 Gly Leu Val Ser Trp Gly Asp Tyr Pro Cys Ala Arg Pro Asn Arg Pro
 260 265 270
 Gly Val Tyr Thr Asn Leu Cys Lys Phe Thr Lys Trp Ile Gln Glu Thr
 275 280 285
 Ile Gln Ala Asn Ser
 290

<210> 98
 <211> 62
 <212> PRT
 <213> Homo sapiens
 -
 <220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

<400> 98
 Met Ala Thr Ala Arg Pro Pro Trp Met Trp Val Leu Cys Ala Leu Ile
 1 5 10 15
 Thr Ala Leu Leu Leu Gly Val Thr Glu His Val Leu Ala Asn Asn Asp
 20 25 30
 Val Ser Cys Asp His Pro Ser Asn Thr Val Pro Ser Gly Ser Asn Gln
 35 40 45
 Asp Leu Gly Ala Gly Ala Gly Gly Arg Arg Pro Val Gly Xaa
 50 55 60

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<210> 99
 <211> 132
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (132)
 <223> Xaa equals stop translation

<400> 99
 Met Arg Gly Ser Val Glu Cys Thr Trp Gly Trp Gly His Cys Ala Pro
 1 5 10 15
 Ser Pro Leu Leu Leu Trp Thr Leu Leu Leu Phe Ala Ala Pro Phe Gly
 20 25 30
 Leu Leu Gly Glu Lys Thr Arg Gln Leu Leu Glu Phe Asp Ser Thr Asn
 35 40 45
 Val Ser Asp Thr Ala Ala Lys Pro Leu Gly Arg Pro Tyr Pro Pro Tyr
 50 55 60
 Ser Leu Ala Asp Phe Ser Trp Asn Asn Ile Thr Asp Ser Leu Asp Pro
 65 70 75 80
 Ala Thr Leu Ser Ala Thr Phe Gln Gly His Pro Met Asn Asp Pro Thr
 85 90 95
 Arg Thr Phe Ala Asn Gly Ser Leu Ala Phe Arg Ser Arg Pro Phe Pro
 100 105 110
 Gly Pro Ala Asp Gln Pro Asn Pro Leu Ala Ser Cys Thr Gln Gln Thr
 115 120 125
 Pro Val Ser Xaa
 130

<210> 100
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals stop translation

<400> 100
 Met Ala Asn Ala Gly Leu Gln Leu Leu Gly Phe Ile Leu Ala Phe Leu
 1 5 10 15
 Gly Trp Ile Gly Ala Ile Val Ser Thr Ala Leu Pro Gln Trp Arg Ile
 20 25 30
 Tyr Ser Tyr Ala Gly Asp Asn Ile Val Thr Pro Arg Pro Cys Thr Arg
 35 40 45

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Gly Cys Gly Cys Pro Ala Cys Arg Arg Ala Pro Gly Arg Ser Ser Ala
 50 55 60

Lys Ser Leu Thr Pro Cys Xaa
 65 70

<210> 101
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 101
 Ile Lys Ile Ser Leu Lys Lys Arg Ser
 1 5

<210> 102
 <211> 151
 <212> PRT
 <213> Homo sapiens

<400> 102
 Ile Lys Ile Ser Leu Lys Lys Arg Ser Met Ser Gly Ile Ser Gly Cys
 1 5 10 15

Pro Phe Phe Leu Trp Gly Leu Leu Ala Leu Leu Gly Leu Ala Leu Val
 20 25 30

Ile Ser Leu Ile Phe Asn Ile Ser His Tyr Val Glu Lys Gln Arg Gln
 35 40 45

Asp Lys Met Tyr Ser Tyr Ser Ser Asp His Thr Arg Val Asp Glu Tyr
 50 55 60

Tyr Ile Glu Asp Thr Pro Ile Tyr Gly Asn Leu Asp Asp Met Ile Ser
 65 70 75 80

Glu Pro Met Asp Glu Asn Cys Tyr Glu Gln Met Lys Ala Arg Pro Glu
 85 90 95

Lys Ser Val Asn Lys Met Gln Glu Ala Thr Pro Ser Ala Gln Ala Thr
 100 105 110

Asn Glu Thr Gln Met Cys Tyr Ala Ser Leu Asp His Ser Val Lys Gly
 115 120 125

Lys Arg Arg Ser Pro Gly Asn Arg Ile Leu Ile Ser Gln Thr Arg Met
 130 135 140

Glu Met Ser Asn Tyr Met Gln
 145 150

<210> 103
 <211> 79
 <212> PRT
 <213> Homo sapiens

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<400> 103

Gly Thr Arg Gly Leu Ser Thr Val Ser Trp Thr His Thr Gln Pro Ser
 1 5 10 15

Lys Arg Gly Asp Pro Ser Arg Glu Pro Arg Gly Gly His Ser Cys Leu
 20 25 30

Leu Pro Gly Ser Pro Ala Thr Trp Cys Leu Pro Ala Pro Cys Ser Leu
 35 40 45

Pro Gly Pro Val Leu Thr Pro Ser Ser Ser Gly Leu Asp Ser Ala Leu
 50 55 60

Glu Gly Pro Arg Gly Ala Ala Ser Leu Leu Arg Ala Pro Leu Gln
 65 70 75

<210> 104

<211> 23

<212> PRT

<213> Homo sapiens

<400> 104

His Thr Gln Pro Ser Lys Arg Gly Asp Pro Ser Arg Glu Pro Arg Gly
 1 5 10 15

Gly His Ser Cys Leu Leu Pro
 20

<210> 105

<211> 22

<212> PRT

<213> Homo sapiens

<400> 105

Val Leu Thr Pro Ser Ser Ser Gly Leu Asp Ser Ala Leu Glu Gly Pro
 1 5 10 15

Arg Gly Ala Ala Ser Leu
 20

<210> 106

<211> 180

<212> PRT

<213> Homo sapiens

<400> 106

Gly Thr Arg Gly Leu Ser Thr Val Ser Trp Thr His Thr Gln Pro Ser
 1 5 10 15

Lys Arg Gly Asp Pro Ser Arg Glu Pro Arg Gly Gly His Ser Cys Leu
 20 25 30

Leu Pro Gly Ser Pro Ala Thr Trp Cys Leu Pro Ala Pro Cys Ser Leu
 35 40 45

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64
 Pro Gly Pro Val Leu Thr Pro Ser Ser Ser Gly Leu Asp Ser Ala Leu
 50 55 60
 Glu Gly Pro Arg Gly Ala Ala Ser Leu Leu Arg Ala Pro Leu Gln Met
 65 70 75 80
 Glu Glu Ala Ile Leu Val Pro Cys Val Leu Gly Leu Leu Leu Leu Pro
 85 90 95
 Ile Leu Ala Met Leu Met Ala Leu Cys Val His Cys His Arg Leu Pro
 100 105 110
 Gly Ser Tyr Asp Ser Thr Ser Ser Asp Ser Leu Tyr Pro Lys Gly His
 115 120 125
 Pro Val Gln Thr Ala Ser His Gly Cys Pro Leu Ala Thr Cys Leu Pro
 130 135 140
 Thr Cys His Leu Leu Pro Thr Pro Glu Pro Ala Arg Pro Ala Pro His
 145 150 155 160
 Pro Lys Ile Pro Ala Ala Pro Trp Gly Leu Pro Pro Asp Ala Ile Phe
 165 170 175
 Pro Ala Gly Phe
 180

<210> 107
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 107
 Cys Val His Cys His Arg
 1 5

<210> 108
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 108
 Ala Gly Ser Arg Thr Asn Asn Glu Gln Ile Glu
 1 5 10

<210> 109
 <211> 58
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <400> 109

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65
Ala Gly Ser Arg Thr Asn Asn Glu Gln Ile Glu Met Ser Cys Ile Gly
1 5 10 15
Arg Met Arg Leu Ile Cys Phe Ile Ile Leu Arg Ile Cys Gly Leu Glu
20 25 30
His Leu Phe Gly Asn Met Gly Leu Gly Xaa Lys Asn Gly His Leu Pro
35 40 45
Gly His Tyr Gly His Ser Leu Glu Phe Phe
50 55

<210> 110
<211> 16
<212> PRT
<213> Homo sapiens

<400> 110
Gly Thr Ser Thr Ser Ser Arg Gly Arg Leu His Ala Cys Gly His Ser
1 5 10 15

<210> 111
<211> 95
<212> PRT
<213> Homo sapiens

<400> 111
Pro Ser Ser Glu Val Gln Lys Gly Lys Pro Asn Ser Pro Leu Gly Asn
1 5 10 15
Ser Glu Leu Arg Pro His Leu Val Asn Thr Lys Pro Arg Thr Ser Leu
20 25 30
Glu Arg Gly His Thr Ile Pro Phe Leu Trp Pro Ser Glu Phe Gly Leu
35 40 45
Ser Gln Leu Trp Gly Thr Pro Ser Leu Asn Pro Asn Lys Thr Pro Leu
50 55 60
Glu Ser Leu Ser Leu His Pro Ser Pro Leu Pro Ser Ala Leu Ile Ala
65 70 75 80
Ala Arg Ile Val Thr Pro Asn Leu Thr Leu Ser Ser Leu Ile Lys
85 90 95

<210> 112
<211> 21
<212> PRT
<213> Homo sapiens

<400> 112
Pro Asn Ser Pro Leu Gly Asn Ser Glu Leu Arg Pro His Leu Val Asn
1 5 10 15

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Thr Lys Pro Arg Thr
20

<210> 113
<211> 23
<212> PRT
<213> Homo sapiens

<400> 113
Leu Ser Leu His Pro Ser Pro Leu Pro Ser Ala Leu Ile Ala Ala Arg
1 5 10 15

Ile Val Thr Pro Asn Leu Thr
20

<210> 114
<211> 268
<212> PRT
<213> Homo sapiens

<400> 114
Pro Gly Ser Gln Gly Ala Ala Ala Gly Arg Glu Leu Phe Met Thr Asp
1 5 10 15

Arg Glu Arg Leu Ala Glu Ala Arg Gln Arg Glu Leu Gln Arg Gln Glu
20 25 30

Leu Leu Met Gln Lys Arg Leu Ala Met Glu Ser Asn Lys Ile Leu Gln
35 40 45

Glu Gln Gln Glu Met Glu Arg Gln Arg Arg Lys Glu Ile Ala Gln Lys
50 55 60

Ala Ala Glu Glu Asn Glu Arg Tyr Arg Lys Glu Met Glu Gln Ile Val
65 70 75 80

Glu Glu Glu Glu Lys Phe Lys Lys Gln Trp Glu Glu Asp Trp Gly Ser
85 90 95

Lys Glu Gln Leu Leu Leu Pro Lys Thr Ile Thr Ala Glu Val His Pro
100 105 110

Val Pro Leu Arg Lys Pro Lys Tyr Asp Gln Gly Val Glu Pro Glu Leu
115 120 125

Glu Pro Ala Asp Asp Leu Asp Gly Gly Thr Glu Glu Gln Gly Glu Gln
130 135 140

Asp Phe Arg Lys Tyr Glu Glu Gly Phe Asp Pro Tyr Ser Met Phe Thr
145 150 155 160

Pro Glu Gln Ile Met Gly Lys Asp Val Arg Leu Leu Arg Ile Lys Lys
165 170 175

Glu Gly Ser Leu Asp Leu Ala Leu Glu Gly Gly Val Asp Ser Pro Ile
180 185 190

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His Thr Met Leu Pro Leu Lys Ile Ala Ala Pro Tyr Leu Leu Glu Asn
1 5 10 15

Cys Ser Cys Pro Ile Tyr Ile Ser Thr Ser Pro His Leu Phe Leu Ser
 20 25 30

Thr

<210> 122
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 122
 Phe Ser Ile Leu Phe Ala Phe Val Leu Phe Tyr Pro Gly Ser Phe Phe
 1 5 10 15

Thr Leu Pro

<210> 123
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 123
 Phe Ser Ile Leu Phe Ala Phe Val Leu Phe Tyr Pro Gly Ser Phe Phe
 1 5 10 15

Thr Leu Pro Met Tyr Met Lys Gln Val Val Ala Cys Arg Asp Gln Leu
 20 25 30

Ile Leu Val Leu Trp Leu Ile Glu Leu Leu Cys Ile Gln Gly Phe Cys
 35 40 45

Lys Ser Lys Ser Asp Phe Ser Ser Arg Ile Tyr Ser
 50 55 60

<210> 124
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 124
 His Glu Ser Thr Val Lys
 1 5

<210> 125
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 125
 Leu Glu Asn Leu Gly Thr His Lys Lys Lys Asp Ser Phe Ser Val Lys
 1 5 10 15

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30

Asp

<213> Homo sapiens

Pro Tyr Ala Phe Pro Ile Glu Val Asn Arg Gly Ser Ala Gln His Trp
35 40 45

<213> Homo sapiens

Ser Leu Trp Arg Leu Glu Pro Tyr Ala Phe Pro Ile Glu
20 25

<213> Homo sapiens

Thr Gly Ile Leu Pro Lys Ile Met Pro Ser Arg Lys Arg Cys Leu Ser
20 25 30

Biodiversity metrics	
Number of species	100
Number of genera	100
Number of families	100
Number of orders	100
Number of classes	100
Number of phyla	100
Number of kingdoms	100
Number of domains	100
Number of life forms	100
Number of habitats	100
Number of biomes	100
Number of ecosystems	100
Number of communities	100
Number of populations	100
Number of individuals	100
Number of genes	100
Number of proteins	100
Number of metabolites	100
Number of cells	100
Number of tissues	100
Number of organs	100
Number of systems	100
Number of organisms	100
Number of species	100
Number of genera	100
Number of families	100
Number of orders	100
Number of classes	100
Number of phyla	100
Number of kingdoms	100
Number of domains	100
Number of life forms	100
Number of habitats	100
Number of biomes	100
Number of ecosystems	100
Number of communities	100
Number of populations	100
Number of individuals	100
Number of genes	100
Number of proteins	100
Number of metabolites	100
Number of cells	100
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Number of systems	100
Number of organisms	100

Ile Asp Ile Pro Ala Ala Pro Gln Ala Gly Met Cys Leu Leu Ile Leu
 35 40 45

<210> 133
 <211> 32
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<400> 133
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 Phe Phe Tyr Phe Leu Ser Thr Ala Cys Gln Arg Trp Ala Trp Gly Leu
 20 25 30

<210> 134
 <211> 77
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 <213> Homo sapiens

<400> 134
 Gln Phe Ser Phe Leu Ser Ala Lys Gly Leu His Trp Ala Leu Phe Val
 1 5 10 15
 Phe Phe Tyr Phe Leu Ser Thr Ala Cys Gln Arg Trp Ala Trp Gly Leu
 20 25 30
 Met Arg Thr Leu Ala Leu Leu Val Leu Leu Phe Cys Ser Cys Thr His
 35 40 45
 Ser Ser Met Gly Trp Gly Arg Gln Ala Trp Gly Val Ala Leu Gly Glu
 50 55 60
 Val Arg Ser Pro Pro Ala Gln Asp Thr Val Ala Lys Thr
 65 70 75

<210> 135
 <211> 82
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<400> 135
 His Glu Pro Gly Arg Cys Gly Pro Glu Asn Leu Ala Leu Gln Ala Thr
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 Gln Arg Gly Thr Arg Phe Ser Val Pro Met Cys Lys Ser Ser Arg Gln
 20 25 30
 Tyr Thr Tyr Thr Ser Val His Met Cys Gln Cys Ala Cys Glu Arg Val
 35 40 45

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Tyr Leu Pro Val Cys Leu Ser Phe Leu His Ser Pro Ala Ser Thr Phe
20 25 30

74

Leu Pro Trp Asn Gln Gly Phe Leu Ser Pro Phe Ala Phe Ser Thr Leu
35 40 45

Gly Thr Pro Gly Ala Lys Gln Phe Ser Ile
50 55

<210> 140
<211> 166
<212> PRT
<213> Homo sapiens

<400> 140
Gly Thr Ser Thr Lys Leu Pro Tyr Cys Arg Glu Asn Val Cys Leu Ala
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Tyr Gly Ser Glu Trp Ser Val Tyr Ala Val Gly Ser Gln Ala His Val
20 25 30

Ser Phe Leu Asp Pro Arg Gln Pro Ser Tyr Asn Val Lys Ser Val Cys
35 40 45

Ser Arg Glu Arg Gly Ser Gly Ile Arg Ser Val Ser Phe Tyr Glu His
50 55 60

Ile Ile Thr Val Gly Thr Gly Gln Gly Ser Leu Leu Phe Tyr Asp Ile
65 70 75 80

Arg Ala Gln Arg Phe Leu Glu Glu Arg Leu Ser Ala Cys Tyr Gly Ser
85 90 95

Lys Pro Arg Leu Ala Gly Glu Asn Leu Lys Leu Thr Thr Gly Lys Gly
100 105 110

Trp Leu Asn His Asp Glu Thr Trp Arg Asn Tyr Phe Ser Asp Ile Asp
115 120 125

Phe Phe Pro Asn Ala Val Tyr Thr His Cys Tyr Asp Ser Ser Gly Thr
130 135 140

Lys Leu Phe Val Ala Gly Gly Pro Leu Pro Ser Gly Leu His Gly Asn
145 150 155 160

Tyr Ala Gly Leu Trp Ser
165

<210> 141
<211> 22
<212> PRT
<213> Homo sapiens

<400> 141
Cys Arg Glu Asn Val Cys Leu Ala Tyr Gly Ser Glu Trp Ser Val Tyr
1 5 10 15

Ala Val Gly Ser Gln Ala
20

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<210> 142
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 142
 Pro Ser Tyr Asn Val Lys Ser Val Cys Ser Arg Glu Arg Gly Ser Gly
 1 5 10 15

Ile Arg Ser Val Ser Phe Tyr Glu
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<210> 143
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 143
 Asp Ile Arg Ala Gln Arg Phe Leu Glu Glu Arg Leu Ser Ala Cys Tyr
 1 5 10 15

Gly Ser Lys Pro Arg Leu Ala Gly Glu Asn Leu Lys Leu
 20 25

<210> 144
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 144
 Lys Leu Thr Thr Gly Lys Gly Trp Leu Asn His Asp Glu Thr Trp Arg
 1 5 10 15

Asn Tyr Phe Ser Asp Ile Asp Phe Phe Pro
 20 25

<210> 145
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 145
 Tyr Asp Ser Ser Gly Thr Lys Leu Phe Val Ala Gly Gly Pro Leu Pro
 1 5 10 15

Ser Gly Leu His Gly
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<210> 146
 <211> 280
 <212> PRT
 <213> Homo sapiens

<400> 146

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<400> 147

Lys Pro Ser Ser His Pro Gly Leu His Ser Arg Pro Thr Leu His Ser
 1 5 10 15

His Pro Ala Phe His Ser His Pro Glu Leu Gln Gln Pro Thr
 20 25 30

<210> 148

<211> 26

<212> PRT

<213> Homo sapiens

<400> 148

Arg Ala Asp Cys Thr Gly Gln Val Ala Asp Ile Asn Leu Met Gly Tyr
 1 5 10 15

Gly Lys Ser Gly Gln Asn Ala Gln Gly Ile
 20 25

<210> 149

<211> 24

<212> PRT

<213> Homo sapiens

<400> 149

Arg Ala Phe Ile Met Ala Glu Pro Asp Gly Ser Asn Arg Thr Val Phe
 1 5 10 15

Val Ser Ile Asp Ile Gly Met Val
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<210> 150

<211> 27

<212> PRT

<213> Homo sapiens

<400> 150

Arg Leu Gln Ser Lys Tyr Gly Ser Leu Tyr Arg Arg Asp Asn Val Ile
 1 5 10 15

Leu Ser Gly Thr His Thr His Ser Gly Pro Ala
 20 25

<210> 151

<211> 23

<212> PRT

<213> Homo sapiens

<400> 151

Ala Ser Glu Gly Phe Ser Asn Gln Thr Phe Gln His Met Val Thr Gly
 1 5 10 15

Ile Leu Lys Ser Ile Asp Ile
 20

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